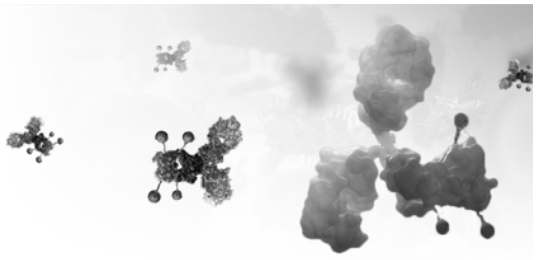

Rabbit Anti-Human PKM2 Polyclonal Antibody (CABT-L2101)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Pyruvate Kinase, Muscle (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PKM2. It has been selected for its ability to recognize PKM2 in immunohistochemical staining and western blotting.
Target	PKM2
Immunogen	Recombinant fragment corresponding to human PKM (Lys141~Ala248)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported. [provided by RefSeq, May 2011]
Keywords	M2PK;PKM;M2-PK;PKM1;CTHBP;OIP3;PK3;PKM;TCB;THBP1;Pyruvate kinase muscle isozyme;Thyroid hormone-binding protein 1;Cytosolic thyroid hormone-binding protein

GENE INFORMATION

Gene Name	PKM pyruvate kinase, muscle [Homo sapiens (human)]
Official Symbol	PKM
Synonyms	PKM; pyruvate kinase, muscle; PK3; TCB; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; pyruvate kinase PKM; p58; OIP-3; tumor M2-PK; PK, muscle type; pyruvate kinase 2/3; OPA-interacting protein 3; pyruvate kinase isozymes M1/M2; pyruvate kinase muscle isozyme; thyroid hormone-binding protein 1; epididymis secretory protein Li 30; cytosolic thyroid hormone-binding protein; thyroid hormone-binding protein, cytosolic;
Protein Refseq	NP_001193725
UniProt ID	P14618
Chromosome Location	15q22
Pathway	Adenine ribonucleotide biosynthesis, IMP => ADP,ATP; Biosynthesis of amino acids; Carbon metabolism; Central carbon metabolism in cancer; Disease; Glucose metabolism; Glycogen storage diseases; Glycolysis;
Function	ATP binding; MHC class II protein complex binding; magnesium ion binding; poly(A) RNA binding; potassium ion binding; protein binding; pyruvate kinase activity;

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